Panasonic recommends Windows 8 Pro.

Panasonic

TOUGHBOOK CF-53

THE PORTABLE SEMI RUGGEDIZED NOTEBOOK WITH HD WIDESCREEN.

Industry-leading balanced mobility combined with semi-rugged design features and state-of-the-art PC performance makes the CF-53 ideal for all semi-outdoor applications for mobile users.

- Intel® Core™ i5-3340M vPro Processor
- Windows® 8 Pro
- Intel HD 4000 graphics
- 14" HD Active Matrix (TFT) colour LCD
- Robust magnesium alloy display case
- Shock-protected HDD
- Integrated DVD Super Multi Drive
- USB 3.0 SuperSpeed and serial port
- Long battery life up to 11 hours
- 3G Mobile Broadband (optional) (HSPA+, up to 14.4Mbps)
- Dedicated GPS Module (optional)
- RFID Module (optional)
- 2nd LAN, Firewire or Modem (optional)
- Low temperature HDD option
- High capacity "road warrior" Battery option
- Withstands drops from a height of 76cm*

* Tested in Panasonic Factory.

intel inside™ CORE™ i5 vPro™

TOUGHBOOK

www.toughbook.eu

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MOBILE BUSINESS EXCELLENCE

The CF-53 is equipped with a third-generation Intel® Core™ i platform and Windows® 8 Pro. Designed for all mobile professionals, including small and medium-sized business users, looking for outstanding value and mission-critical application access, it represents core Toughbook benefits combined with semi-rugged protection.

Mobile Computing Platform	Intel® Core™ i5-3340M vPro™ processor	
	(2.7GHz, 3MB Intel® Smart Cache, Intel® 7 series Express chipset QM77)	
Operating System	Windows 8 Pro	
	Windows® 7 Professional Downgrade	
RAM	4GB DDR3 SDRAM (max. 8GB)	
Graphic Chip	Intel® HD 4000 Graphics, UMA (Windows® 7 64bit max 1696MB, 32bit max 1428MB)	
Storage	500GB (SATA)	
CD/DVD Drive	DVD Super Multi Drive	
LCD	14" Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD)	
Bluetooth™	4.0 + EDR Class 1	
Wireless LAN	Intel® Centrino® Advanced-N 6235 802.11 a/b/g/n compliant; slide on/off switch	
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd LAN Project based)	
Modem (optional)	Data: 56 kbps (V.92) FAX: 14.4 kbps	
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support	
Security	TPM (TCG V1.2 compliant), Password security, Integrated hardware security lock slot	
Card Slots	PC Card:	x1, Type I or Type II, Allowable current 3.3 V: 400 mA, 5 V: 400 mA*
	ExpressCard:	x1, ExpressCard/34 or ExpressCard/54*
	SD/SDXC Memory Card:	x1
	RAM Module:	x2, DDR3L SDRAM, one slot occupied
Interfaces	Serial (16550A compatible):	Dsub, 9-pin
	External display (VGA port):	Mini Dsub, 15-pin
	HDMI:	x1
	Headphones:	Mini-jack, 3.5 DIA, stereo
	Microphone:	Mini-jack, 3.5 DIA, stereo
	DC In:	Jack
	USB 2.0:	x2, 4-pin
	USB 3.0:	x2, 9-pin
	Firewire (IEEE1394a):	x1, 4-pin (Project based)
	Modem:	RJ-11 (Project based)
	LAN:	RJ-45 (2nd LAN Project based)
	Port Replicator:	100-pin
Keyboard / Pointing Device	88 keys / Touch Pad	
Power	AC Adapter:	Input: 100V ~ 240V, 50Hz/60Hz; Output: 15.6V, 7.05A
	Battery:	Lithium-Ion (10.8V, Typical 6750 mAh / Minimum 6300 mAh)
	Battery Life:	Approx. 11h (Mobile Mark™ 2007, 60cd/m²)
	Power Management:	Standby function, ACPI BIOS
Dimensions (WxHxD)	341mm x 48-55mm x 281mm / 13.6" x 1.9 - 2.2" x 11.2" (including carrying handle)	
Weight	Approx. 2.65 kg / 5.84 lb (including carrying handle)	
Webcam (optional)	720p with digital microphone	
Integrated Options	Fingerprint Reader, Smart Card Reader, 3G Mobile Broadband (HSPA+, up to 14.4Mbps), dedicated GPS, RFID	
Accessories	AC Adapter:	CF-AA5713A
	Battery Charger:	CF-VCBTB2W
	Battery Pack:	CF-VZSU71U ("road warrior" 9 cell, 73Wh)
		CF-VZSU46AU ("road warrior" 9 cell, 87Wh)
	Car Charger:	CF-LND1224A (120W)
	Port-Replicator:	CF-VEB531U
	Carrying Solutions:	Please visit www.toughbook.eu

As an ENERGY STAR® Partner, Panasonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Active Matrix colour display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artefact of the manufacturing process (effective pixels: minimum 99.998%). RAM capacity calculated as follows: 1MB = 1,048,576 bytes. HDD capacity calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a brand name and registered trademark of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.

* Config. A: 1x PC Card Type I or II + 1x ExpressCard - Config. B:: 2x PC Card Type I or II, no ExpressCard

Computer Product Solutions (CPS) BU, Panasonic System Communications Company Europe (PSCEU), Panasonic Marketing Europe GmbH, Hagenauer Straße 43, 65203 Wiesbaden (Germany).

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